

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005898.D
 Acq On : 08 Oct 2018 16:25
 Operator : SY/AP
 Sample : J5164-01LOD/MDL
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:24:05 PM

Quant Time: Oct 09 07:13:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	453386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	222640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146141	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	7.88	113	142941	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.33	98	558052	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	207787	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	4116	2.67	ug/l	72
3) Chloromethane	2.21	50	6580	3.63	ug/l	95
4) Vinyl Chloride	2.37	62	8198	2.85	ug/l	98
5) Bromomethane	2.78	94	6759	2.97	ug/l	89
6) Chloroethane	2.93	64	4708	2.56	ug/l #	88
7) Trichlorofluoromethane	3.26	101	5849	2.56	ug/l	94
8) Diethyl Ether	3.68	74	4381	3.11	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7521	2.61	ug/l	98
10) Methyl Iodide	4.27	142	12112	2.57	ug/l	96
11) Tert butyl alcohol	5.22	59	3333	14.88	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	7618	2.75	ug/l	91
13) Acrolein	3.89	56	2895	14.50	ug/l	97
14) Allyl chloride	4.67	41	11384	2.41	ug/l	95
15) Acrylonitrile	5.37	53	8315	13.58	ug/l	98
16) Acetone	4.14	43	10833	17.75	ug/l #	89
17) Carbon Disulfide	4.37	76	21386	2.55	ug/l	100
18) Methyl Acetate	4.67	43	4783	3.10	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	12338	2.86	ug/l	93
20) Methylene Chloride	4.92	84	14659	4.79	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	8675	2.87	ug/l	94
22) Diisopropyl ether	6.32	45	22002	2.49	ug/l	97
23) Vinyl Acetate	6.26	43	66886	12.30	ug/l	97
24) 1,1-Dichloroethane	6.21	63	13614	2.52	ug/l	94
25) 2-Butanone	7.18	43	12126	13.97	ug/l	97
26) 2,2-Dichloropropane	7.16	77	12690	3.34	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	8997	2.63	ug/l	91
28) Bromochloromethane	7.51	49	5585	2.80	ug/l	97
29) Tetrahydrofuran	7.54	42	7846	14.29	ug/l	94
30) Chloroform	7.68	83	14588	2.63	ug/l	98
31) Cyclohexane	7.95	56	19007	3.55	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	12908	2.61	ug/l	93
36) 1,1-Dichloropropene	8.08	75	11582	2.67	ug/l	97
37) Ethyl Acetate	7.27	43	4758	2.59	ug/l #	94
38) Carbon Tetrachloride	8.07	117	11997	2.57	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	15748	2.75	ug/l	98
40) Benzene	8.32	78	31094	2.62	ug/l	98
41) Methacrylonitrile	7.49	41	2849	2.47	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	9083	2.53	ug/l	91
43) Isopropyl Acetate	8.43	43	10011	2.60	ug/l	97
44) Trichloroethene	9.09	130	9523	2.76	ug/l	94
45) 1,2-Dichloropropane	9.37	63	7879	2.65	ug/l	92
46) Dibromomethane	9.46	93	4656	2.85	ug/l	96
47) Bromodichloromethane	9.65	83	10574	2.57	ug/l	100
48) Methyl methacrylate	9.45	41	4786	2.61	ug/l	99
49) 1,4-Dioxane	9.48	88	1409	56.71	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	26607	14.22	ug/l	96
52) Toluene	10.39	92	20711	2.65	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	10472	2.43	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	12172	2.52	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	6203	2.74	ug/l	95
56) Ethyl methacrylate	10.65	69	7824	2.56	ug/l	94
57) 1,3-Dichloropropane	10.93	76	10035	2.63	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	17501	14.09	ug/l	99
59) 2-Hexanone	10.98	43	17316	12.90	ug/l	97
60) Dibromochloromethane	11.13	129	7329	2.51	ug/l	94
61) 1,2-Dibromoethane	11.24	107	6208	2.74	ug/l	99
64) Tetrachloroethene	10.87	164	8624	2.78	ug/l	94
65) Chlorobenzene	11.66	112	23795	2.67	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	8121	2.49	ug/l	95
67) Ethyl Benzene	11.73	91	41959	2.67	ug/l	97
68) m/p-Xylenes	11.84	106	32034	5.21	ug/l	99
69) o-Xylene	12.17	106	15144	2.57	ug/l	97
70) Styrene	12.18	104	24783	2.54	ug/l	99
71) Bromoform	12.35	173	4737	2.44	ug/l #	96
73) Isopropylbenzene	12.47	105	42923	2.64	ug/l	98
74) N-amyl acetate	12.27	43	9829	2.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	7717	2.90	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	5432m	2.73	ug/l	
77) Bromobenzene	12.75	156	10383	2.70	ug/l	99
78) n-propylbenzene	12.81	91	49302	2.58	ug/l	100
79) 2-Chlorotoluene	12.90	91	28315	2.62	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	35299	2.57	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2217m	2.35	ug/l	
82) 4-Chlorotoluene	12.99	91	30433	2.68	ug/l	98
83) tert-Butylbenzene	13.21	119	32185	2.64	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	37482	2.71	ug/l	98
85) sec-Butylbenzene	13.39	105	44948	2.62	ug/l	100
86) p-Isopropyltoluene	13.51	119	39461	2.56	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	20767	2.71	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	21491	2.83	ug/l	92
89) n-Butylbenzene	13.83	91	36951	2.54	ug/l	99
90) Hexachloroethane	14.10	117	7174	2.47	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	19272	2.84	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1282	2.58	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	14954	2.84	ug/l	99
94) Hexachlorobutadiene	15.24	225	8773	2.67	ug/l	98
95) Naphthalene	15.38	128	25744	2.83	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	12713	2.79	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

